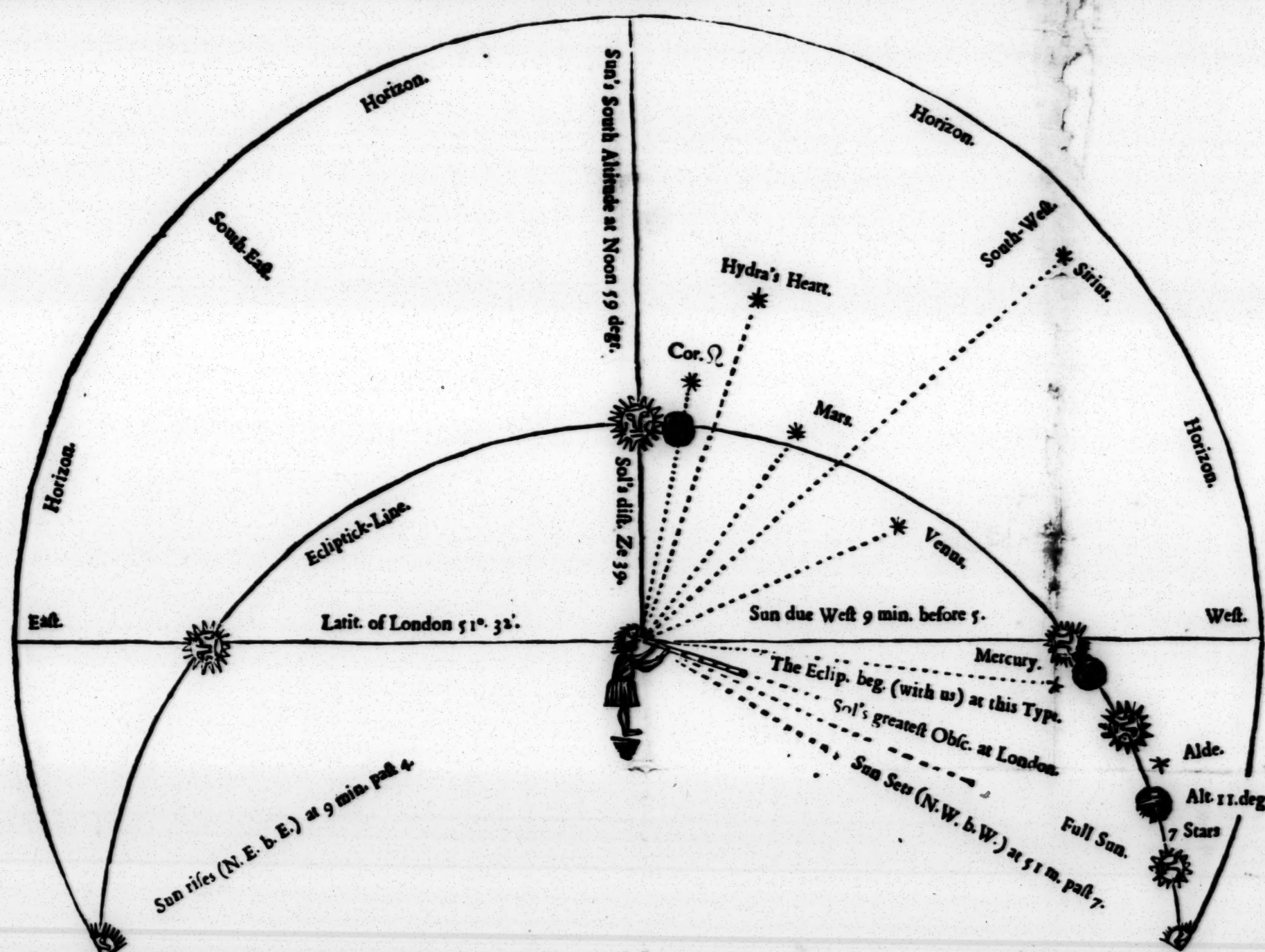


The great ECLIPSE of the SUN,

(Which will happen on *May* the 11th, in this present Year, 1724.) set forth by *Salem Pearse* (AUTHOR of a Anual Almanack or Ephemeris) who has from his Calculation describ'd, 1st, the Time and Place where the Eclipse will begin upon the Disc of the Earth. 2^{dly}, the Place where the Central Shadow enters on the Earth's Disc. 3^{dly}, where the Sun will be Central Eclips'd in the 90th deg. 4^{thly}, where the Central Eclipse ends. Lastly, in what parts of the World the Eclipse or Shadow of the Moon leaves the Earth; also where the Track of Penumbra will pass upon the Face of the Earth, especially over *England*; with the length of the Central and Universal Duration of the Eclipse: And in the Scheme (below) is shew'd the Sun's Course (above our Horizon) on the day of the Eclipse; with Divers Types of the Luminaries (plac'd upon the Ecliptick-line;) shewing how the Moon (by her Motion) comes between the Earth and the Sun's-Body, and deprives us of his Glorious Light; as you may see by the Opacous Type of the Sun, at his greatest Obscuration at *London*; where the darkness will be so great that the Stars will appear, and, throughout *England* in the Latitude thereof; but in the Southern parts (if the Clouds do not obstruct) the Stars may be seen very plain, viz. *Mars, Venus, and Mercury*, of the Planets: Of the Fix'd Stars; the *Pleiades, Aldebaran, Syrius*, the heart of *Hydra, Cor. ♈*; and their Characters are plac'd in the Figure; as they will appear at the Sun's greatest darkness, and both the Scheme and Eclipse are below Explain'd as followeth.



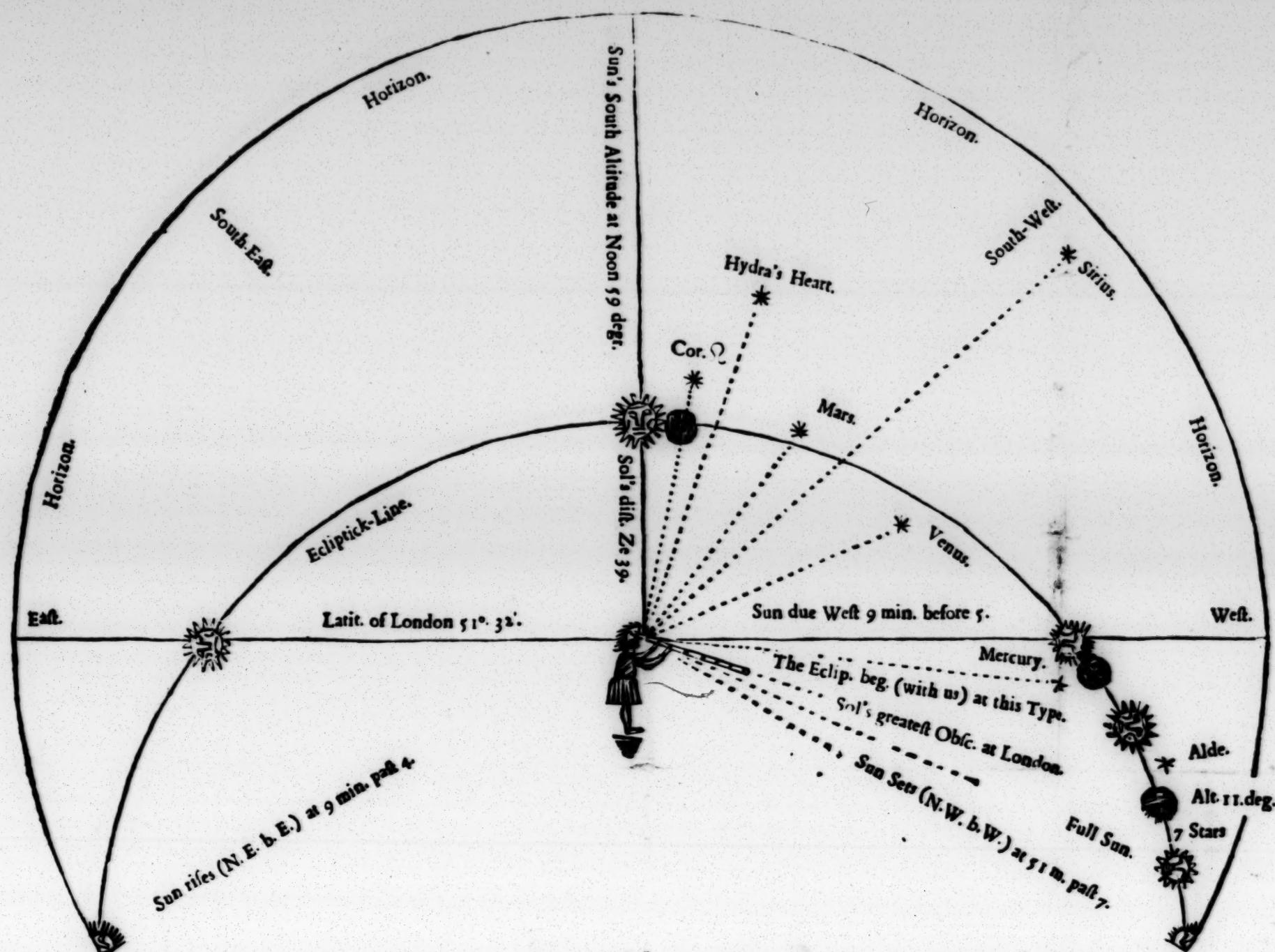
FIRST, I admit the Center of the Scheme to represent the City of *London*, and also the Zenith, or point of the Sky that's Vertical to the said City. 2^{dly}, the outmost bow-line Represents the Horizon; where the Sky and Earth seems to joyn. 3^{dly}, from the Center (aforefaid) extends a line South, by which is describ'd the Sun's Altitude and distant Zenith. From whence (and by the Altitude of the Sun at the Opacous Type) you may nearly guess the Altitude of those Stars that will be Visible; which will be a great help to the quick sight of them when the time Requires. Lastly, the line which Extends East and West (in the Figure) Represents the Latitude of *London*; where the Citizens thereof (and my Country-men) may behold the Stars in the South-west and West parts of Heaven (as you may see the Characters Posited in the Figure) and the Sun will be Eclips'd (very near) as you may see the Opacous Type therein. Therefore here follows (kind Reader) the Explanation of all the particular Places (above mentioned) which are Calculated of the Eclipse of the Sun, or Shadow of the Moon upon the Earth's Disc.

FIRST, (the general Eclipse in Respect of the Meridian of *London*;) begins at 3 min. after 3; to such as Navigate upon the *Pacifick* or *South Sea*, (will have the Rising Sun at the beginning of the Eclipse) in the Latitude of 3 deg. 16 min. North, and Longit. of 251 deg. 30 min. from whence the shadow (the Eclipse magnifying) passeth North-westward (in the space of 1 hour and 12 min.) doth Eclipse the Sun Totally and Centrally at his Rising in the same Sea, in the Latit. of 13 deg. 52 min. North, and Longit. of 228 deg. 10 min. from whence the Opacous shadow passeth very swift North-Eastward, crossing the Ecliptick (on the West side of the Tropick of Cancer) and goes over *California, New Granada*

North side of *St Malo*, and passes along the Northern parts thereof. The Northern Limb of the Central shadow enters this Kingdom a few Miles on the South part of *Wales*, tending a little South-Eastward as it crosses the Island. The Central shadow passes over *Bristol* at 25 min. 50 seconds past 6. from whence the Opacous shadow hastens (towards *London*) thro' *Wiltshire*, over *Marlbrough* and *Newbury* in *Berkshire*; but at *Abington* and *Wallingford* in the County aforefaid according to my Computation) there will Remain a small thread of Light on the North side of the Sun's Body, about twice as bright as descends Evenings from the Planet *Venus*, from whence the Shadow tends a little South-Eastward, and passes by *Reading*, then to *Windsor*, after to the South side of *London*; when the Citizens thereof may behold a thread of Light (about one ninth part of a digit on the North side of the Sun's Body.) At the same time the Shadow extending it self Southward to *Plymouth*, and *Dartmouth*, passing over all the Southern parts hereof: Then from *London* (aforefaid) the Shadow tends a little South-Eastward and passes by *Maidstone* thro' the County of *Kent*, and speedily leaves the Kingdom towards the South-East, and passes by the North-East side of *France*, and by the Borders of *Switzerland* over the *Alps*, by *Palanza*, and *Como*, to the North-East side of *Mantua* in *Italy*, at *Padua* the Central shadow leaves the Earth in the Lat. of 45 deg. 38 min. North, and 11 deg. 10 min. of Longit. East from *London*, and in the Latit. of 35 deg. 8 min. North, and Longit. of 10 deg. 20 min. West, at the *Atlantick* Ocean, a little from the West end of the *Mediterranean*, near *Gibraltar* the Eclipse ends.

The Eclipse begins at *London*, at 39 min. 10 sec. past 5, the Middle at 36 min. 4 sec. past 6. The End at 26 min. past 7; when the Sun will be near half an hour

the heart of *Hydra*, *Cor 2*; and their Characters are plac'd in the Figure; as they will appear at the Sun's greater darkness, and both the Scheme and Eclipse are below Explain'd as followeth.



FIRST, I admit the Center of the Scheme to represent the City of *London*, and also the Zenith, or point of the Sky that's Vertical to the said City. 2^{dly}, the outmost bow-line Represents the Horizon; where the Sky and Earth seems to joyn. 3^{dly}, from the Center (afore said) extends a line South, by which is describ'd the Sun's Altitude and distant Zenith. From whence (and by the Altitude of the Sun at the Opacous Type) you may nearly guess the Altitude of those Stars that will be Visible; which will be a great help to the quick sight of them when the time Requires. Lastly, the line which Extends East and West (in the Figure) Represents the Latitude of *London*; where the Citizens thereof (and my Country-men) may behold the Stars in the South-west and West parts of Heaven (as you may see the Characters Posited in the Figure) and the Sun will be Eclipsed (very near) as you may see the Opacous Type therein. Therefore here follows (kind Reader) the Explanation of all the particular Places (above mentioned) which are Calculated of the Eclipse of the Sun, or Shadow of the Moon upon the Earth's Disc.

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North side of *St Malo*, and passes along the Northern parts thereof. The Northern Limb of the Central shadow enters this Kingdom a few Miles on the South part of *Wales*, tending a little South-Eastward as it crosses the Island. The Central shadow passes over *Bristol* at 25 min. 50 seconds past 6. from whence the Opacous shadow hastens (towards *London*) thro' *Wiltshire*, over *Marlbrough* and *Newbury* in *Berk-shire*; but at *Abington* and *Wallingford* in the County afore said according to my Computation) there will Remain a small thread of Light on the North side of the Sun's Body, about twice as bright as descends Evenings from the Planet *Venus*, from whence the Shadow tends a little South-Eastward, and passes by *Reading*, then to *Windsor*, after to the South side of *London*; when the Citizens thereof may behold a thread of Light (about one ninth part of a digit on the North side of the Sun's Body.) At the same time the Shadow extending it self Southward to *Plymouth*, and *Dartmouth*, passing over all the Southern parts hereof: Then from *London* (afore said) the Shadow tends a little South-Eastward and passes by *Maidstone* thro' the County of *Kent*, and speedily leaves the Kingdom towards the South-East, and passes by the North-East side of *France*, and by the Borders of *Switzerland* over the *Alps*, by *Palanza*, and *Como*, to the North-East side of *Mantua* in *Italy*, at *Padua* the Central shadow leaves the Earth in the Lat. of 45 deg. 38 min. North, and 11 deg. 10 min. of Longit. East from *London*, and in the Latit. of 35 deg. 8 min. North, and Longit. of 10 deg. 20 min. West, at the *Atlantick* Ocean, a little from the West end of the *Mediterranean*, near *Gibraltar* the Eclipse ends.

The Eclipse begins at *London*, at 39 min. 10 sec. past 5, the Middle at 36 min. 4 sec. past 6. The End at 26 min. past 7; when the Sun will be near half an hour high, as you may guess by the Type in the Figure. The Continuance of the Total Darkness will be near 3 minutes in divers Places Southward, and the Darkness greater then 'twas in the last great Eclipse Nine Years ago. The Total Shadow passes over *England* in about 12 minutes and a half. The Universal duration of the Eclipse is 4 hours, 24 min. The Central duration is 2 hours 3 minutes and 18 seconds.

So great Eclipse as this will not appear
Again in England for full fifty year;
Therefore prepare your Glasses for to view,
This when it comes; So Gentlemen Adieu.

☞ This Account of the Eclipse had been Publish'd Five Weeks sooner, had I not been deceiv'd by a Printer who undertook to print it for me.
Price Two Pence.